



DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

TYPE II QUANTUM WELL MID-INFRARED OPTOELECTRONIC DEVICES

(Attorney Docket No. 032026-0754)

the specification of which (check one)

_____ is attached hereto.

X was filed on February 5, 2004 as United States Application Number 10/772,573.

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with

which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I HEREBY APPOINT the following registered attorneys and agents of the law firm of
FOLEY & LARDNER LLP:

RICK L. ABEGGLEN	Reg. No. 47,371
MATHEW P. ANDERSON	Reg. No. 54,589
SCOTT D. ANDERSON	Reg. No. 46,521
RUSSELL J. BARRON	Reg. No. 29,512
DAVID J. BATES	Reg. No. 39,902
STEVEN C. BECKER	Reg. No. 42,308
MICHAEL S. BRAYER	Reg. No. 51,495
MARCUS A. BURCH	Reg. No. 52,673
CHARLES G. CARTER	Reg. No. 35,093
ALISTAIR K. CHAN	Reg. No. 44,603
JOHN C. COOPER III	Reg. No. 26,416
JEFFREY N. COSTAKOS	Reg. No. 34,144
SCOTT M. DAY	Reg. No. 52,801
HARRY C. ENGSTROM	Reg. No. 26,876
BERNARD P. FRIEDRICHSEN	Reg. No. 44,689
BARRY L. GROSSMAN	Reg. No. 30,844
JEFFREY S. GUNDERSEN	Reg. No. 47,619
PAUL S. HUNTER	Reg. No. 44,787
MARK A. KASSEL	Reg. No. 38,200
JOHN M. LAZARUS	Reg. No. 48,367
KENNETH G. LEMKE	Reg. No. 47,746
KEITH D. LINDENBAUM	Reg. No. 40,365
DAVID G. LUETTGEN	Reg. No. 39,282
MICHELLE MANNING	Reg. No. 50,592
M. SCOTT MC BRIDE	Reg. No. 52,008
RICHARD J. MC KENNA	Reg. No. 35,610
JOSEPH P. MEARA	Reg. No. 44,932
JAMES G. MORROW	Reg. No. 32,505
STEPHAN J. NICKELS	Reg. No. 48,657
SCOTT C. NIELSON	Reg. No. 50,755
JASON E. PAULS	Reg. No. 45,651
TODD A. RATHE	Reg. No. 38,276

MARCUS W. SPROW	Reg. No. 48,580
M. REED STAHELI	Reg. No. 47,959
JEAN M. TIBBETTS	Reg. No. 43,193
JAMES A. WILKE	Reg. No. 34,279
ROBERT N. YOUNG	Reg. No. 48,412
JOSEPH N. ZIEBERT	Reg. No. 35,421
WALTER E. ZIMMERMAN	Reg. No. 40,883

to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith.

I request that all correspondence be directed to:


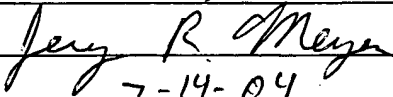
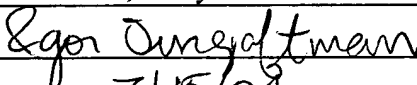
Harry C. Engstrom
FOLEY & LARDNER LLP
Customer Number: 23524

Telephone: (608) 258-4207
Facsimile: (608) 258-4258

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor	Luke J. Mawst
Residence	Sun Prairie, Wisconsin
Citizenship	United States of America
Post Office Address	1007 Fountain Drive Sun Prairie, Wisconsin 53590
Inventor's signature	<i>Luke J. Mawst</i>
Date	July 21, 2004

Name of second inventor	Nelson Tansu
Residence	Bethlehem, Pennsylvania
Citizenship	Indonesia
Post Office Address	221 Saucon View Drive Bethlehem, Pennsylvania 18015
Inventor's signature	
Date	June 2 nd , 2004
Name of third inventor	Jerry R. Meyer
Residence	Catonsville, Maryland
Citizenship	United States of America
Post Office Address	121 Oak Drive Catonsville, Maryland 21228
Inventor's signature	
Date	7-14-04
Name of fourth inventor	Igor Vurgaftman
Residence	Odenton, Maryland
Citizenship	United States of America
Post Office Address	2376 Sandy Walk Way Odenton, Maryland 21113
Inventor's signature	
Date	7/15/04